

## **JPL Audio Recording Collection, 1980-1994**

**1.36 c.f.**

**JPL 224**

### **History**

At JPL, it has been the practice to create sound recordings of the various phases and development of flight projects to show their progress to the engineers and administration. On a regular basis, therefore, the flight project offices have used the medium of sound in conjunction with 16mm film to record the various phases of a project for research, design development, and historical purposes.

### **Provenance**

The specific provenance of the various parts of this collection is unknown. However, the Archives received 161 audiocassettes between 1990 and 2001 that came from the various flight project offices and other unspecified sources. In addition, the Archives received 83 open reel audiotapes in that same period for a total of 244 items in this collection.

### **Collection, Arrangement, and Description**

This collection is composed of 161 audiocassettes (0.5 c.f.), dating from 1986 to 1994, with the bulk dating from 1990-1994, and 83 open reel recordings (.86 c.f.), dating from 1980-1991.

A numerical control system had been previously applied by JPL Audiovisual Services which designated most of the audiocassettes by an AVA number followed by the year and an assigned number. The AVA numbering system identified and tracked the audiocassettes as they were produced and distributed.

The open reel tapes have no AVA number assigned to them. In some cases, a work order number is shown along with the date of recording. In some instances, sequential numbers were assigned.

The audiocassettes have been arranged by their AVA number in ascending numerical order under the cassette title of SSORCE (Systems, Software, and Operations Resource Center). Non-AVA dated and undated cassettes were placed at the end of the sequence.

The open reel tapes are arranged by ascending date order, with a work order number serving as a guide if there is no date shown. When there is no date or work order number, the tape is placed at the end of the sequence.

Both types of recordings show identifying information such as the date of creation, the title of the flight project, a brief content description, and recording location, often in JPL's von Kármán Auditorium. Running times in hours/minutes were generally not given.

The format for the audiocassettes is 1/4" inch magnetic recording tape of varying lengths (60, 90, 120 minutes), housed in individual plastic containers. The open reel tapes are 1/4" wide x 600 feet in length, or 1/4" wide x 1200 feet in length, and are housed in individual boxes.

The varied information content of the cassette recordings reflects the varied development of the various projects at JPL. They include workshops and seminars covering the flight projects CRAF-Cassini, Galileo, and Ulysses. The Mars Observer Project Series cassettes describe the spacecraft and software development. There are also recordings featuring noontime presentations, lectures and employee information seminars, technology seminars, and computer-aided engineering workshops.

Information content of the open reel tapes in this collection includes Voyager Saturn Encounter, Voyager Uranus Encounter, Voyager Neptune Encounter, Mobile Satellite Experiment (MSAT-X), Deep Space Network (DSN), Ulysses, Magellan, Topex at Fairchild, and Miscellaneous. Several of the open reel recordings seem to be sound tracks recorded at the time motion pictures were taken of the same event.

### **Conditions of Use**

The Archives will determine access and use of the collection on an item-by-item basis. Contact an archivist for additional information.

### **Separation Statement**

No items have been removed from the collection.

## **Project Titles**

The following projects have one or more audiocassettes in this collection.

Galileo  
CRAF/Cassini  
Ulysses  
Magellan  
Wide Field Planetary Camera 2 (WFPC2)  
Spaceborne Imaging Radar-C (SIR-C)  
Deep Space Network (DSN)  
Mars Observer  
Topex-Poseidon  
Global Positioning System (GPS)  
Seminars  
Workshops (Software)  
Miscellaneous

The following projects have one or more open reel tapes in this collection.

Voyager Saturn Encounter  
Voyager Uranus Encounter  
Voyager Neptune Encounter  
MSAT-X  
Deep Space Network (DSN)  
Ulysses  
Magellan  
Topex at Fairchild  
Miscellaneous

## **ITEM LIST**

### **Audiocassette Recordings (Arranged by AVA Number)**

All of the following cassettes are labeled "SSORCE (Systems, Software, and Operations Resource Center) Forum."

AVA-90-039, Tim O'Donnell, "How Materials Made the Difference on Galileo," June 14, 1990.

AVA-90-043, Jairus M. Hihn, "Lessons in Cost Estimation at JPL," August 15, 1990.

AVA-90-133, Jan Chodas, "What Have We Learned from Galileo Hardware Systems Development?" 2/13/90.

AVA-91-028, Sandy Krasner, "Galileo Series Spacecraft Don't Stand Still," von Kármán Auditorium, March 20, 1991.

AVA-91-034, Brian Larman, "The CRAF/Cassini Experience: Apply JPL D-4000 Software Management Standards to Flight's Software," April 19, 1991.

AVA-91-040, Frederick Wieland, "Speeding Up Distributed Discrete Event Simulation with Time Warp," May 30, 1991.

AVA-91-043, W. Van Snyder, Dr. Charles L. Lawson, Dr. Fred T. Krogh, "Mathematical Computation with Sub-Program Libraries and Integrated Packages," June 12, 1991.

AVA-91-046, Willis Meeks, "Ulysses: Over the Poles of the Sun," von Kármán Auditorium, July 10, 1991.

AVA-91-048, Don Meyer, "Ulysses: A New Approach to Mission Operations at JPL," von Kármán Auditorium, July 12, 1991.

AVA-91-055, Ed Smith, "Ulysses: The Science Perspective," von Kármán Auditorium, August 7, 1991.

AVA-91-056, Tom Tomey, "Brave New World Creating Flying Instruments on Ulysses," August 16, 1991.

AVA-91-057, Hal DiRamio, "The Satisfying Challenge: A Contractor Looks at Ulysses," von Kármán Auditorium, August 20, 1991.

AVA-91-059, John Richard Koblen, Manager, Integration and Support, "Ulysses: Putting It Together," August 27, 1991.

AVA-91-060, Gael F. Squibb, "Ulysses: Developing an Operations Concept," September 3, 1991.

AVA-91-061, Don Starkey, Ulysses Launch Operations Manager, "The Launch Campaigns," von Kármán Auditorium, September 4, 1991.

AVA-91-064, Richard Polovitch, Senior Principal Engineer, The Boeing Defense and Space Group, "The Ulysses Journey Begins: Flying with Us," von Kármán Auditorium, September 18, 1991.

AVA-91-067, George Sevanston, Group Supervisor, Control System Research, Section 343, "PAM-S [Payload Assist Module] Coning and Other Fascinating Instabilities," von Kármán Auditorium, September 24, 1991.

AVA-92-001, Bob Campbell, "Powering Ulysses: The Radioisotope Thermoelectric Generators (RTG)," von Kármán Auditorium, October 1, 1991.

AVA-92-003, Joe Luthey, Ulysses Mission Design Team Member, "Mission Design: Maximum Success or a Reasonable Alternative," von Kármán Auditorium, October 8, 1991.

AVA-92-004, Douglas Griffith, Magellan Deputy Mission Director, "Mission Operations Overview," von Kármán Auditorium, October 17, 1991.

AVA-92-008, Ellen R. Stofan, "What Has Magellan Science Taught Us?," von Kármán Auditorium, November 19, 1991.

AVA-92-009, J. Franklin McKinney, "Magellan Assembly, Test and Launch Operations (ATLO)," nd.

AVA-92-014, Gary Parker, Magellan Spacecraft Manager, Magellan Forum Series, "The View Looking Back: Magellan Spacecraft Development," von Kármán Auditorium, December 10, 1991.

AVA-92-017, Rick W. Kasuda, "Magellan Attitude and Articulation Control Flight Software," nd.

AVA-92-020, Sami W. Asmar, "The Search for Gravitational Waves: Can Ulysses Prove the Theory?," nd.

AVA-92-022, John Cullyer, Ph.D., "Critical Hardware and Software Systems: A European Perspective," von Kármán Auditorium, February 27, 1992.

AVA-92-026, Edgar Page, Ulysses Forum Series, "Science at Jupiter," von Kármán Auditorium, March 17, 1992.

AVA-92-032, Dr. Charles Elachi, "JPL's Space Science and Instruments: The Past, The Present, The Future," April 21, 1992.

AVA-92-033, Kenny Starnes, Magellan CDDS Group Leader, "Recycling Inherited Subsystems: Magellan Command, Data and Data Storage Subsystem (CDDS)," von Kármán Auditorium, April 28, 1992.

AVA-92-040, Kenneth W. Ledbetter, Martin Marietta, "A Mile High and a Thousand Miles Away: Flying the Magellan Spacecraft with a Remotely Located Spacecraft Team," von Kármán Auditorium, May 12, 1992.

AVA-92-044, Jeff Miller, Magellan Forum, "Managing the Magellan Data Firehose," von Kármán Auditorium, July 14, 1992.

AVA-92-046, Nigel Angold, "Here Comes the Sun: The Ulysses Spacecraft," von Kármán Auditorium, July 21, 1992.

AVA-92-048, Allen W. Bucher, "Using SFOC (Space Flight Operations Center) to Fly the Magellan Venus Mapping Mission," von Kármán Auditorium, July 30, 1992.

AVA-92-048, Larry Simmons, "A Clear View of the Universe: The Development of the Wide Field Planetary Camera 2 (WFPC2)," August 25, 1992.

AVA-92-049, Mars Observer Series, "An Overview of Mars Observer Mission and Science," von Kármán Auditorium, August 18, 1992.

AVA 92-053, Allan Cheuvront, "Beyond Integration and Test, The Magellan System Verification System," August 27, 1992.

AVA-92-057, Michael Sander, "Turning Night Into Day from Orbit (SIR-C)," von Kármán Auditorium, September 10, 1992.

AVA-92-060, Julie Webster, Magellan Forum Series, "Operating the Magellan Telecommunications Subsystem," von Kármán Auditorium, September 29, 1992.

AVA-93-051, Norman R. Haynes, "Deep Space Network, Looking Away and Ahead," von Kármán Auditorium, September 9, 1993.

AVA-093-053, Eberhardt Rechtin, "JPL/NASA Deep Space Network, Early System Architecture," von Kármán Auditorium, September 21, 1993.

AVA-93-064, John Beckman, "Better, Faster, Cheaper: Can We Have the Planets Too? The Discovery Mission," nd.

AVA-93-064, Henry Kleine, "Getting the Best for Less with Software Tools and Methods," von Kármán Auditorium, October 22, 1992.

AVA-93-072, Jim Neuman, Magellan Team Chief, "Magellan Thermal Subsystem Experiences," von Kármán Auditorium, December 15, 1992.

AVA-93-074, Eileen Dukes, Martin Marietta, "Smooth Maneuvers: The Magellan Attitude Control Subsystem," nd.

AVA-93-076, Glenn Cunningham, Project Manager, "Mars Observer Observed: A Look at the Mars Observer Mission and Plans," von Kármán Auditorium, January 15, 1993.

AVA-93-078, Ken Rehm, "A Command: A Day - That's All We Ask - Sequencing the Magellan Spacecraft," Bldg. 167 Conference Room, January 19, 1993.

AVA-93-079, Walt Brainerd, Ph.D., "Fortran 90: News and Views," Tapes 1, 2, 3, von Kármán Auditorium, January 27, 1993.

AVA-93-085, Client: Mark Herring, "Workshop on Technologies and Techniques for Small, Affordable, Scientific Instruments," Tape 1 of 4, March 8, 1993.

AVA-93-087, Client: Mark Herring, "Workshop on Technologies and Techniques for Small, Affordable, Scientific Instruments," Tapes 1 through 5, von Kármán Auditorium, March 9, 1993.

AVA-93-092, Arden Albee, Mars Observer Series, "What Science for the Red Planet? Development of the Science Objectives for Mars Observer," March 18, 1993.

AVA-93-097, Ralph B. Roncoli, "Mars Observer Mission Design, Ten Years in the Making," March 30, 1993.

AVA-93-103, George Pace, "Mars Observer Spacecraft," von Kármán Auditorium, April 23, 1993.

AVA-93-106, Bill Goss, "Mars Observer Payload Development," von Kármán Auditorium, April 27, 1993.

AVA-93-107, George Pace and a Panel of Key Mars Observer Project Members Discuss Spacecraft Development, "Mars Observer, the Contractor's View," Tapes 1 and 2, von Kármán Auditorium, April 30, 1993.

AVA-93-109, Doug Niebur and Jitu Mehta, "Mars Observer: Flight Software Development," von Kármán Auditorium, May 4, 1993.

AVA-93-115, S. S. Dallas, "The Myths and Realities of Mission Operations," von Kármán Auditorium, June 15, 1993.

AVA-93-118, Ronald Klemetson, "Braking at Mars: The Mars Observer Propulsion Subsystem," von Kármán Auditorium, June 29, 1993.

AVA-93-120, George Hansen, "Four Computers Working As One: Command and Data Handling System and Payload Data Subsystem," von Kármán Auditorium, July 20, 1993.

AVA-93-121, Pasquale B. Esposito, "On Target for Mars: Interplanetary and Orbital Navigation," von Kármán Auditorium, July 27, 1993.

AVA-93-131, Robert Lock, Planning Team Chief, FPO (Future Projects Office – NASA), "Magellan: Aerobraking and Beyond," von Kármán Auditorium, September 27, 1993.

AVA-94-002, Dr. Charles Elachi, "Mars Recovery Activity," October 12, 1993.

AVA-94-005, Dr. Leslie Deutsch, "Deep Space Network, the Ultimate Long Distance Call," October 19, 1993.

AVA-94-006, F. Barath, J. Simmonds, D. Kerrisk, T. Glavich, Task and Small Project Management Seminars, "Managing Risk During Startup," Tapes 1 and 2, Bldg. 180-101, November 3, 1993.

AVA-94-007, Willy Bertiger and Edward J. Christensen, "Unprecedented Orbit Accuracy Precision Orbit Determination Using GPS (Global Positioning System)," von Kármán Auditorium, November 8, 1993.

AVA-94-010, Edward J. Christensen, "Unprecedented Orbit Accuracy II: Using GPS (Global Positioning System) for Precision Orbit Determination – the Results," Bldg. 180-101, November 16, 1993.

AVA-94-011, William A. Imbriale, "Antennas for All Seasons, Evolution of the Large DSN (Deep Space Network) Antenna," von Kármán Auditorium, November 22, 1993.

AVA-94-014, Dr. Terry Sharton, Office of Engineering and Review, "The Truth About Vibration Testing," Bldg. 180-101, December 8, 1993.

AVA-94-016, Dr. Lee-Leung Fu, "Topex-Poseidon: Global Ocean Circulation and Sea Level Changes – First Year's Results," December 13, 1993.

AVA-94-017, Phil Callahan, "Topex Poseidon: Proof That Good Practice Works," December 4, 1993.

AVA-94-021, Ray Amorose, TDA (Tracking and Data Acquisition), "Kangaroos and Wild Cats – Nothing Out of the Ordinary for DSN Operations," von Kármán Auditorium, January 12, 1994.

AVA-94-030, Dr. Charles Elachi, OSSSI [Office of Space Science and Instruments] Noontime Seminar, "JPL, 2000: Flight Mission Plans and Opportunities for the Next Decade," February 28, 1994.

AVA-94-034, Diana Lanagan, Group Supervisor, Compensation and Benefits, Sponsored by ACW (Advisory Council for Women), "Employee Insurance: An Overview," Bldg. 167 Conference Room, March 11, 1994.

AVA-94-035, J. R. Hall, TDA (Tracking and Data Acquisition), "Long-Range Planning for the DSN (Deep Space Network), How Not to be Too Surprised by Events Over the Next Fifteen Years," March 11, 1994.

AVA-94-037, Dr. John C. Kelley, Office of Engineering, "Assuring Quality of Critical NASA Software Systems," March 15, 1994.

AVA-94-041, Ray Frauenholz, "Topex-Poseidon, In Search of Small Forces: Controlling the Satellite Ground Track," March 28, 1994.

AVA-94-048, Dan W. Hoffman, Office of Engineering and Review, "Trouble with Tribbles?," April 20, 1994.

AVA-94-049, René Pellat, International Affairs Office, "Sharing a Cooperative Future in Space," March 10, 1994.

AVA-94-059, Technology Board Seminar, Bldg. 167 Conference Room, May 20, 1994.

AVA-94-062, "A Workshop in Computer-Aided Engineering," Tapes 1 and 2, June 14, 1994.

AVA-94-063, James Marr and Joseph Stratman, TDA (Tracking and Data Acquisition) Lecture Series, "The Galileo S-Band Mission: Forerunner," June 20, 1994.

AVA-94-066, Anthony M. Pearson, ICIS (Institutional Computing and Information Services) Noontime Seminar, "IRM at JPL – The Acronyms Continue," June 29, 1994.

AVA-94-072, James A. Evans, TAP (Technology and Applications Program) Series, "There's Still 'Propulsion' in 'JPL'," August 11, 1994.

AVA-94-075, Philip A. Hausler, Noontime Seminar, "Cleanroom Software Engineering: Reliable Software, Zero Defects?", August 25, 1994.

### **Miscellaneous**

"Critical Factors for Software Projects," 90:00 minutes, November 12, 1986.

Rod Zieger and Terry Adamski, FPO (Future Projects Office, NASA), "Topex/Poseidon: Monitoring Earth's Oceans from Space," von Kármán Auditorium, June 14, 1993.

Dilip M. Khatri, P.E., Civil Engineer, CMA (Caltech Management Association), "The Northridge Earthquake: A Review of Structural Failure," von Kármán Auditorium, March 8, 1994.

Minden, Miscellaneous, D32788, JPL, nd.

Rikki – Minden, "S" Boards, nd.

### **Open Reel Recordings (Arranged by Project)**

#### **Voyager Saturn Encounter**

Voyager Saturn Encounter Science Conference, von Kármán Auditorium, 3:30 p.m., D20772, (Goes with Can #7 on D20771.) Tuesday, November 11, 1980.

Voyager Saturn Encounter Science Briefing, von Kármán Auditorium, 3:30 p.m., D20847, November 13, 1980.

Rodan, Space Flight Operations Facility (SFOF) Bldg. 230, D32322, August 19, 1981.

Product H/I Approval Meeting, 2:00 p.m., Bldg. 264, D32360, August 20, 1981.

Score Imaging Meeting, Bldg. 264, D32360, August 20-21, 1981.

Craft Team Meeting, Bldg. 264, 8:30 a.m., D32360, August 21, 1981.

Managers Meeting, Bldg. 264, 9:00 a.m., D32429, August 22, 1981.

Press Conference, 10:30 a.m., von Kármán Auditorium, D32429, August 23, 1981.

Afternoon Tour Activity, D32429, August 23, 1981.

Unidentified Meeting, 1:00 p.m., 4<sup>th</sup> Floor, Bldg. 264, D32463, August 23-24, 1981.

Shockwave Imaging Meeting, Bldg. 264, D32463, August 24, 1981.

Dignitary Arrival, Roll #2, B3084, Space Flight Operations Facility (SFOF) Auditorium, 1:00 p.m., Bldg. 264, Star Occultation, August 25, 1981.

Occultation [Meeting], Roll #4, B3084, Bldg. 264, 5<sup>th</sup> Floor, 10:00 a.m. - 12:00 p.m., August 25, 1981.

Artist, Press Conference and Cake Cutting, Roll #5, B3084, Bldg. 264, 4<sup>th</sup> Floor, 1:30 p.m., August 25, 1981.

Press Conference, Scan Platform Problem, Bldg. 264, 10:30 a.m., D32570, August 26, 1981.

More Platform Failure Meetings, Bldg. 264, p.m., 5<sup>th</sup> Floor, D32570, August 26, 1981.

Scan Platform Reorientation, Return of Pictures, Bldg. 264, 4<sup>th</sup> Floor, August 28, 1981.

Charles Kohlhase, Flyby Meeting, Roll #1, Bldg. 264, p.m., D32654, August 29, 1981.

Flyby Meeting and Press Conference, Roll #2, Bldg. 264 Auditorium, 8:00 a.m., D32654, August 29, 1981.

### **Voyager Uranus Encounter**

Voyager at Uranus, Composite – Magna Sync, 7.5 ips, Mono, Full Track, December 12, 1985.

Voyager Uranus Encounter, Low Print, Low Noise, D90490, Roll #1, January 24, 1986.

Voyager Uranus Encounter, D90608, January 28, 1986.

### **Voyager Neptune Encounter**

Tape #1, Voyager Neptune Encounter, W0371, 7.5 ips, 60Hz, Low Noise, -8 decibels, D79217, August 21, 1989.

Tape #2, Voyager Neptune Encounter, W0389, 7.5 ips, 60 Hz, Low Noise, -8 decibels, D79419, August 21/22, 1989.

Tape #3, Voyager Neptune Encounter, W0390, 7.5 ips, 60 Hz, Low Noise, -8 decibels, D79419, August 22, 1989.

Tape #4, Voyager Neptune Encounter, W0411, 7.5 ips, 60Hz, Low Noise, -8 decibels, D79419, August 22, 1989.

Tape #5, Voyager Neptune Encounter, 7.5 ips, 60 Hz, Low Noise, -8 decibels, August 23, 1989.

Tape #6, Voyager Neptune Encounter, August 23, 1989.

Tape #7, Voyager Neptune Encounter, 7.5 ips, Low Noise, -8 decibels, August 23, 1989.



Tape #8, Voyager Neptune Encounter, 7.5 ips, Low Noise, -8 decibels, August 23, 1989.

Tape #9, Voyager Neptune Encounter, August 24, 1989.

Tape #10, Voyager Neptune Encounter, 7.5 ips, 60 Hz, Low Noise, August 24, 1989.

Tape #11, Voyager Neptune Encounter, 7.5 ips, 60Hz, Low Noise, -8 decibels, August 25, 1989.

Tape #12, Voyager Neptune Encounter, August 25, 1989.

Tape #13, Voyager Neptune Encounter, 7.5 ips, 60Hz, Low Noise, -8 decibels, August 25, 1989.

Tape #14, Voyager Neptune Encounter, 7.5 ips, 60 Hz, Low Noise, -8 decibels, D79951, August 25, 1989.

Tape #15, Voyager Neptune Encounter, 7.5 ips, 60 Hz, Low Noise, -8 decibels, August 26, 1989.

Tape #16, Voyager Neptune Encounter, 7.5 ips, 60 Hz, Low Noise, -8 decibels, August 26, 1989.

Tape #17, Voyager Neptune Encounter, 7.5 ips, Low Noise, -8 decibels, August 27, 1989.

Tape #18, Voyager Neptune Encounter, 7.5 ips, 60 Hz, Low Noise, -8 decibels, August 28, 1989.

Voyager Neptune Encounter, Press Conference, 7.5 ips, Low Noise, 60 Hz, -8 decibels, August 28, 1989.

Voyager Neptune Encounter, Press Conference, 7.5 ips, Low Noise, 60 Hz, -8 decibels, Wrap #1, August 29, 1989.

Voyager Neptune Encounter, Press Conference, 7.5 ips, Low Noise, 60 Hz, -8 decibels, Wrap #2, August 29, 1989.

### **Mobile Satellite Experiment (MSAT-X)**

Emerson reads script, (1) Ø filter, (2) Ø filter - ng, (3) Ø filter, (4) 1 filter, November 1, 1988.

Vocoder, Norm reads from voice reel script, November 14, 1988.

Composite, Protection, 7.5 ips, neopilot, D75062, November 18, 1988.

Audio Channels 1 and 2, mono, Length: 9:35, Non-Drop Frame, December 14, 1988.

Voice Test, May 8, 1989.

Boulder T1, Trailer Introduction, Hand Held, Conv. Two Guys, H.H.E., Two Guys Interview, D52512, Roll 1, nd.

Boulder, Wild Sound in Car, Interview with Jim [McPartland] in car, D52512, Roll 2, nd.

Boulder, In Car Int./Data Acquisition, Wild [Sound] in Truck, Top of Truck, D52512, Roll 3, nd.

Boulder, Top of Truck, Rt. Side, D52512, Roll 4, nd.

Randy Cassingham and Gail Huddleston, Reshoot, one-half tape only, D72210, nd.

## **Deep Space Network (DSN)**

DSN – Madrid, Wild [Sound] in Calibration Laboratory, Calibration Laboratory Interview about Standards, Operations Area, Undivided Shots, D32788, October 6, 1987.

[J.] McPartland Interviews, DSN Goldstone #7, D65896, January 15, 1989.

L. Dumas, N. Renzetti, DSN Film, Reel 1, D63257, January 18, 1989.

N. Renzetti, DSN Film, 50 feet only, Reel 2, D63257, January 18, 1989.

P.T. Westmoreland, C.W. Johnson Interviews, DSN, Tape 1 of 2, D63340, Thursday, January 19, 1989.

R. Amorose Interview, DSN Space Flight Operations Facility (SFOF), D64085, January 31, 1989.

DSN – Canberra, CAE (Computer-Aided Engineering), 7.5 ips, 60 Hz, Low Noise, Reel #2, nd.

“The Deep Space Network”, Roll 1 of 2, Narration, Protection, 7.5ips, wild, nd.

## **Ulysses**

Comp. Copy, Nagra sync, 7.5 ips, mono, full track, 9/3-85, pop is 3'24, pic start, September 3, 1985.

Roll #2, 60 Hz, -8 decibels, mono, 7.5 ips, tails out, May 10, 1990.

Roll #3, 60 Hz, -8 decibels, mono sync, 7.5 ips, tails out, May 11, 1990.

Brock Peters, "Ulysses," narration, ¼" 7.5 ips, full track, Nagra no sync, "Protection" (stamped), June 4, 1990.

Brock Peters, "Ulysses," narration, ¼" 7.5 ips, full track, Nagra no sync, "Protection" (stamped), June 4, 1990.

## **Magellan**

Magellan Press Conference, Sound Reel #1, Film Reel # 1 and 2, 7.5 ips, 1 track, heads, 60 Hz, neo, 24 Frames Per Second (FPS), 16 mm, D16478, August 9, 1990.

Magellan - Science, Sound Reel #1, 7.5 ips, heads, 60 Hz, 24 Frames Per Second (FPS), 16 mm, D16646, August 9/10, 1990.

Magellan - Science, Sound Reel #2, 7.5 ips, 1 track, heads, 60 Hz, Neo 24 Frames Per Second (FPS), 16 mm, D16646, August 10, 1990.

Magellan - Science, (Nav. Team) Sound Reel #3, 7.5 ips, 1 track, heads, 60 Hz, Neo, 24 Frames Per Second (FPS), 16 mm, D16646, August 10, 1990.

Magellan Press Conference, 7.5 ips, 1 track, heads, 60 Hz, neo, 24 Frames Per Second (FPS), 16 mm, D16646, August 10, 1990.

Magellan, Operations (OPS) Area, Low noise, August 17, 1990.

Magellan Press Conference, Magellan Signal Loss, Film Roll 1/2, August 17, 1990.

Magellan Press Conference, Note: Sync Pilot Drift Only, D17524, August 21, 1990.

Magellan Press Conference, Sound Reel 1, Film Reels (1/2/3), 7.5 ips, heads, 60 Hz, neo, 24 Frames Per Second (FPS), 16 mm, August 24, 1990.

### **Topex at Fairchild**

One of three: Sound reel #2, film reels 1/2, 7.5 ips, 1 track, heads, 60 Hz, neo, 24 Frames Per Second (FPS), D51970, October 2, 1991.

Two of three: Sound reel 2, film reel 2, 7.5 ips, 1 track, heads, 60 Hz, neo, 24 Frames Per Second (FPS), October 2, 1991.

Three of three: Sound reel 3, film reel 3, 7.5 ips, 1 track, heads, 60 Hz, neo, 24 Frames Per Second (FPS), October 3, 1991.

### **Miscellaneous**

Kathy Sullivan, Astronaut, Interview, sync sound; News Conference, free sound; morning, January 25, 1986.

### **Catalog Description**

JPL Audio Recording Collection, 1980-1994

1.36 c.f. (161 audiocassettes and 83 open reel tapes)

The recordings in this collection were created by various JPL project offices. These audio recordings not only informed other project offices at JPL of the progress of the research and development being conducted, but they also provided the JPL community as a whole with information as to what work was being conducted at the Laboratory.

The collection describes a variety of events at the Laboratory including DSN training, Galileo Project updates, Topex-Poseidon Mission presentations, seminars, workshops, and noontime presentations in von Kármán Auditorium at JPL. In addition are Mobile Satellite Experiment (MSAT-X), Voyager, Magellan, and Ulysses recordings.

The audiocassettes are arranged by AVA ascending sequential numbers, with each tape labeled SSORCE (Systems, Software, and Operations Resource Center). Lacking an AVA number and date, the tapes are placed at the end of the project in a miscellaneous section.

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Register is available in the repository.

Tracings:

VOYAGER PROJECT

GALILEO PROJECT

MARS OBSERVER

CASSINI MISSION

DEEP SPACE NETWORK

ULYSSES MISSION

MAGELLAN PROJECT (NASA)

MOBILE COMMUNICATION SYSTEMS

MSAT

AUDIO TAPES

The materials in this collection were not accessioned.